

September 17, 2003

**ATTORNEY DOCKET NO.: JHU1220-6**

Parent Application No.: 09/361,655

Parent Filing Date: July 27, 1999

Parent Inventors: Se-Jin Lee and Aurora F. Esquela

03917 U.S. PTO  
10/666225  
09/17/03

**Mail Stop PATENT APPLICATION**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

Presented for filing is a new Continuation patent application under 37 CFR § 1.53(b) of:

Applicants: **Se-Jin Lee and Aurora F. Esquela**

Title: **GROWTH DIFFERENTIATION FACTOR-12**

The prior application is assigned of record to **THE JOHNS HOPKINS UNIVERSITY SCHOOL OF MEDICINE**, by virtue of an assignment submitted to the Patent and Trademark Office for recording on April 28, 1997, at Reel 8540, Frame 0158.

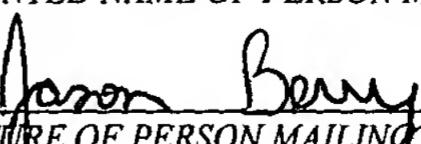
Enclosed are the following papers, including all those required to receive a filing date under 37 CFR § 1.53(b):

|                                    |    |
|------------------------------------|----|
| Pages of Specification             | 45 |
| Pages of Claims                    | 4  |
| Pages of Abstract                  | 1  |
| Pages of Declaration (from Parent) | 2  |
| Sheets of Drawing                  | 3  |

"EXPRESS MAIL" Mailing Label Number: **EV 318 739 926 US**  
Date of Deposit: September 17, 2003

I hereby certify under 37 C.F.R. § 1.10 that this correspondence is being deposited with the United States Postal Service as "Express Mail Post Office to Addressee" with sufficient postage on the date indicated above and is addressed to the Mail Stop PATENT APPLICATION, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

**JASON BERRY**  
(TYPED OR PRINTED NAME OF PERSON MAILING PAPER)

  
(SIGNATURE OF PERSON MAILING PAPER OR FEE)

**GRAY CARY WARE & FREIDENRICH LLP**  
**ATTORNEY DOCKET NO.: JHU1220-6**  
**Mail Stop PATENT APPLICATION**  
September 17, 2003  
Page Two

This request includes Three (3) sheets and the following:

- Preliminary Amendment (7 pages);
- Information Disclosure Statement (2 pages);
  - Form PTO-1449 (filed in parent application) (1 page);
  - Form PTO-892 (filed in parent application) (1 page);
- Request for Transfer of Computer Readable Form (2 pages);
- Sequence Listing (12 pages);
- Check No. 544438 in the amount of \$750.00; and
- Return Receipt Postcard.

Under 35 USC § 120, this application is a **continuation** application of U.S. Application Serial No. 09/361,655 filed July 27, 1999, now pending; which is a divisional application of U.S. Application Serial No. 08/765,662 filed April 28, 1997, now issued as U.S. patent 5,929,213; which is a continuation-in-part application of U.S. Application Serial No. 08/274,215 filed July 13, 1994, now issued as U.S. patent 5,831,054. Under 35 USC § 120, priority is also claimed to PCT Application No. US95/08745 filed July 12, 1995; which is a continuation-in-part application of U.S. Application Serial No. 08/274,215 filed July 13, 1994, now issued as U.S. patent 5,831,054. The disclosure of each of the prior applications is considered part of and is incorporated by reference in the disclosure of this application.

Applicants claim **LARGE ENTITY** status in the above-identified application.

The filing fee is calculated as follows:

|   | Number Filed |                                     | Number Extra |   | Rate         |              |           | Fee          |              |
|---|--------------|-------------------------------------|--------------|---|--------------|--------------|-----------|--------------|--------------|
|   |              |                                     |              |   | Small Entity | Large Entity |           | Small Entity | Large Entity |
| Total Claims                            | 20-20        | =                                   | 0            | X | \$09         | \$18         | =         | \$ .00       | \$ .00 --    |
| Independent Claims                      | 3-3          | =                                   | 0            | X | \$42         | \$84         | =         | \$ .00       | \$ .00       |
| Multiple Dependent<br>Claims Presented: | Yes          | <input checked="" type="checkbox"/> | No           |   | \$140        | \$280        |           | \$ ---       | \$ ---       |
|   |              |                                     |              |   | BASIC FEE    |              | \$ 375.00 | \$ 750.00    |              |
|   |              |                                     |              |   | TOTAL FEE    |              |           | \$ 750.00    |              |

**GRAY CARY WARE & FREIDENRICH LLP**  
**ATTORNEY DOCKET NO.: JHU1220-6**  
**Mail Stop PATENT APPLICATION**  
September 17, 2003  
Page Three

Enclosed is Check No. 544438 in the total amount of \$750.00; which consists of \$750.00 for the filing fee. The Commissioner is hereby authorized to charge any additional fees associated with the filing submitted herewith, or credit any overpayment, to Deposit Account 50-1355, referencing the Attorney Docket number shown above. A duplicate copy of this transmittal letter is attached.

If this application is found to be INCOMPLETE, or if a telephone conference would otherwise be helpful, please call the undersigned at (858) 677-1456.

Kindly acknowledge receipt of this application by returning the enclosed postcard.

Please send all correspondence to:

Lisa A. Haile, J.D., Ph.D.  
**GRAY CARY WARE & FREIDENRICH LLP**  
4365 Executive Drive, Suite 1100  
San Diego, CA 92121-2133  
Telephone: (858) 677-1456  
Facsimile: (858) 677-1465

Respectfully submitted,  
**GRAY CARY WARE & FREIDENRICH LLP**

September 17, 2003

Date



Lisa A. Haile, J.D., Ph.D.  
Registration No. 38,347  
Telephone: (858) 577-1456  
Facsimile: (858) 677-1465

**USPTO CUSTOMER NUMBER 28213**

LAH:ag  
Enclosures